Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/23/2021 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124339	-1	3.3	124286	3.35
Blue	F	SSC	125000	123275	-2	3.81	123823	3.89
Blue	E	FITC	14284	13773	-4	3.89	384	13.83
Blue	D	PE	23919	23335	-3	3.61	552	11.17
Blue	B	PerCP-Cy5-5	31332	30616	-3	4.39	876	15.77
Blue	A	PE-Cy7	22272	21956	-2	6.17	456	30.77
Red	C	APC	47768	46845	-2	2.71	1610	11.83
Red	A	APC-Cy7	25313	24336	-4	3.19	685	12.56
Violet	B	V450	7085	6782	-5	4.13	473	11.89
Violet	A	V500	26969	25871	-5	3.7	889	8.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23617	4.58	583	-6	N/A	N/A	Pass
Blue	F	SSC	54916	3.45	519	-2	N/A	N/A	Pass
Blue	E	FITC	58	50.63	492	-9	0.0407	0	Pass
Blue	D	PE	106	40.07	489	-8	0.3775	277	Pass
Blue	B	PerCP-Cy5-5	136	43.7	579	-9	0.0183	76	Pass
Blue	A	PE-Cy7	74	82.68	626	-9	0.0226	6	Pass
Red	C	APC	337	27.15	579	-1	0.0266	219	Pass
Red	A	APC-Cy7	127	35.99	552	-3	0.0062	1441	Pass
Violet	B	V450	80	47.36	452	-11	0.0495	1948	Pass
Violet	A	V500	103	30.29	463	-11	0.0227	521	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.52	-31.25	1.12
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.26	13.60 - 20.40	N/A	N/A	29.62	29.92	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 16366

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments